

### **Black-box assessment of optical spectrum services**

**Kaeval, Kaida;** Elbers, Jörg-Peter; Grobe, Klaus; Tikas, Marko; Fehenberger, Tobias; Griesser, Helmut; **Jervan, Gert** 2021 Optical Fiber Communications Conference and Exhibition (OFC) : 6-10 June 2021 : San Francisco, CA, USA 2021 / 3 p  
<https://ieeexplore.ieee.org/document/9489700>

### **Channel performance estimations with extended channel probing**

**Kaeval, Kaida;** Griesser, Helmut; Grobe, Klaus; Elbers, Jörg-Peter; Tikas, Marko; **Jervan, Gert** Photonic Networks : 21th ITG-Symposium : 24-25 November 2020 : online 2020 / p. 60-64 <http://d-nb.info/1223037061> <https://ieeexplore.ieee.org/document/9273755>

### **Characterization of the optical spectrum as a service**

**Kaeval, Kaida;** Jansen, Sander Lars; Spinty, Florian; Grobe, Klaus; Griesser, Helmut; Fehenberger, Tobias; Tikas, Marko; **Jervan, Gert** Journal of Optical Communications and Networking 2022 / p. 398-410 <https://doi.org/10.1364/JOCN.454158> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Concatenated GSNR profiles for end-to-end performance estimations in disaggregated networks**

**Kaeval, Kaida;** Myrri, Jani; Grobe, Klaus; Griesser, Helmut; **Jervan, Gert** 2022 Optical Fiber Communications Conference and Exhibition (OFC) : San Diego, California, USA, 6 – 10 March 2022 : proceedings 2022 / 3 p  
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### **Employing channel probing to derive end-of-life service margins for optical spectrum services**

**Kaeval, Kaida;** Slyne, Frank; Troia, Sebastian; Kenny, Eoin; Grobe, Klaus; Griesser, Helmut; Kilper, Daniel C.; Ruffini, Marco; Pedreno-Manresa, Jose-Juan; Patri, Sai Kireet; **Jervan, Gert** Journal of optical communications and networking 2023 / p. C63-C73 : ill <https://doi.org/10.1364/JOCN.480080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimating quality of transmission in a live production network using machine learning**

Müller, Jasper; Fehenberger, Tobias; Patri, Sai Kireet; **Kaeval, Kaida;** Griesser, Helmut; Tikas, Marko; Elbers, Jörg-Peter 2021 Optical Fiber Communications Conference and Exhibition (OFC) : 6-10 June 2021 : San Francisco, CA, USA 2021 / paper Tu1G.2, 3 p <https://ieeexplore.ieee.org/abstract/document/9489940>

### **Exploring channel probing to determine coherent optical transponder configurations in a long-haul network**

**Kaeval, Kaida;** Rafique, Danish; Blawat, Kamil; Grobe, Klaus; Griesser, Helmut; Elbers, Jörg-Peter; Rydlichowski, Piotr; Binczewski, Artur; Tikas, Marko 2020 Optical Fiber Communications Conference and Exhibition (OFC) : San Diego, California, USA : 8-12 March 2020 : proceedings 2020 / 3 p <https://ieeexplore.ieee.org/document/9083392>

### **Optical spectrum services in Open Disaggregated Transport Networks = Optilise spektri teenused avatud lainepeikkustihendus võrkudes**

**Kaeval, Kaida** 2023 <https://doi.org/10.23658/taltech.13/2023> <https://digikogu.taltech.ee/et/Item/aeb5432f-9aff-4683-bcd6-1bc5b04432d0>  
[https://www.ester.ee/record=b5557127\\*est](https://www.ester.ee/record=b5557127*est)

### **QoT assessment of the optical spectrum as a service in disaggregated network scenarios**

**Kaeval, Kaida;** Fehenberger, Tobias; Zou, Jim; Jansen, Sander Lars; Grobe, Klaus; Griesser, Helmut; Elbers, Jörg-Peter; **Tikas, Marko;** **Jervan, Gert** Journal of Optical Communications and Networking 2021 / art. 9436771, p. E1-E12  
<https://doi.org/10.1364/JOCN.423530> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Service margins for wide-band optical spectrum services implemented in long-haul Raman-enabled networks**

**Kaeval, Kaida;** Patri, Sai Kireet; Pedreno-Manresa, Jose-Juan; Grobe, Klaus; Elbers, Jörg-Peter; Griesser, Helmut; Tikas, Marko; **Jervan, Gert** Optical Fiber Communications Conference and Exhibition, OFC 2023 : Proceedings 2023 / art. W3H.6  
<https://doi.org/10.1364/OFC.2023.W3H.6>